

PROJECT LOCATION

TOWN OF ARLINGTON HURD FIELD RENOVATIONS

BID DOCUMENTS

BID #22-32 ARLINGTON, MA 02476 PROJECT NO. 210801935

JUNE 16, 2022

OWNER

TOWN OF ARLINGTON
RECREATION DEPARTMENT
422 SUMMER ST. ARLINGTON, MA 02474

LANDSCAPE ARCHITECT/CIVIL ENGINEER

STANTEC PLANNING AND LANDSCAPE ARCHITECTURE 226 CAUSEWAY STREET - FLOOR 6 BOSTON, MA 02114

IRRIGATION DESIGNER

IRRIGATION CONSULTING 20 MERRIT PARKWAY - 2ND FLOOR NASHUA, NH 03062

SURVEYOR

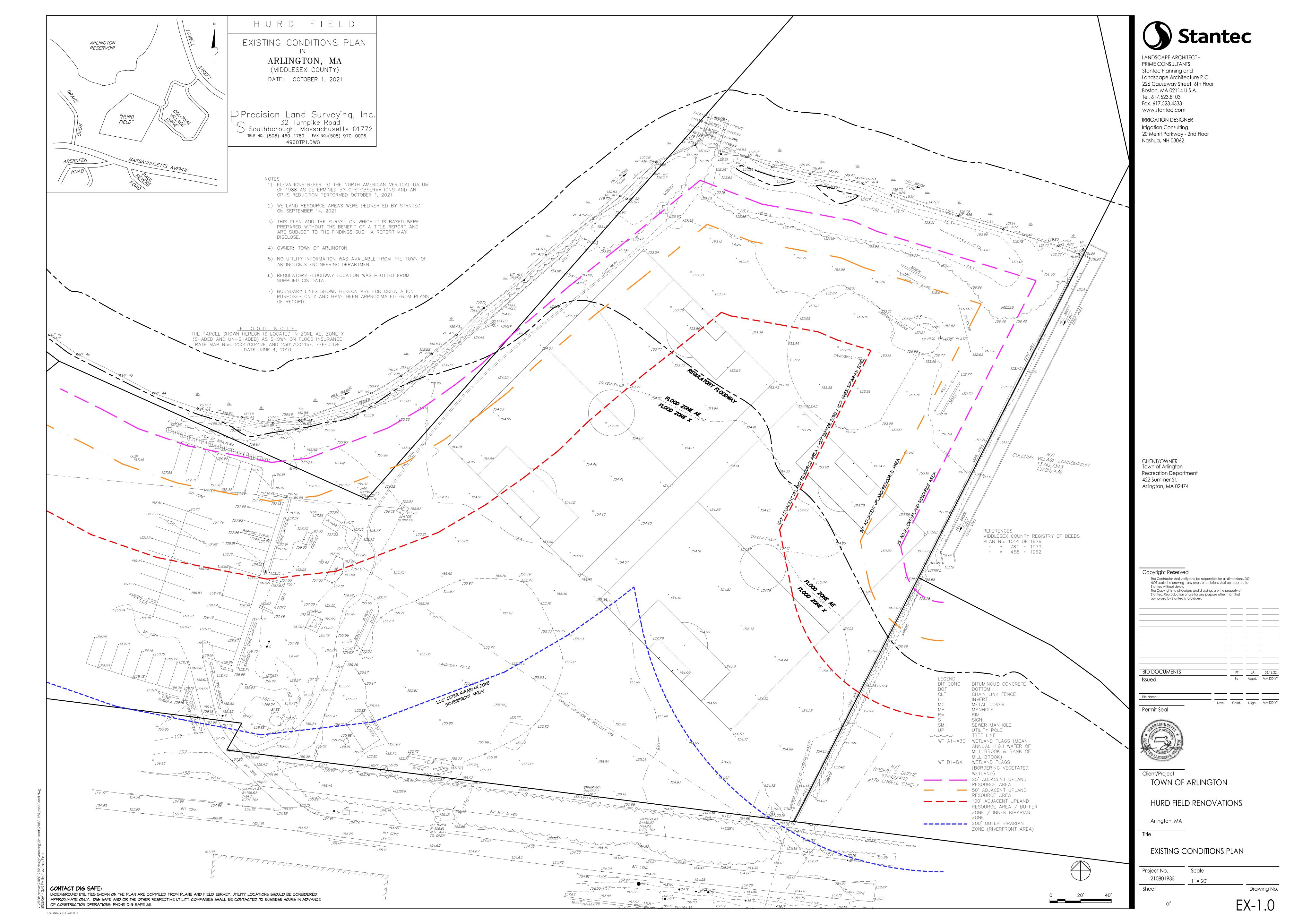
PRECISION LAND SURVEYING, INC. 32 TURNPIKE ROAD SOUTHBOROUGH, MA 01772

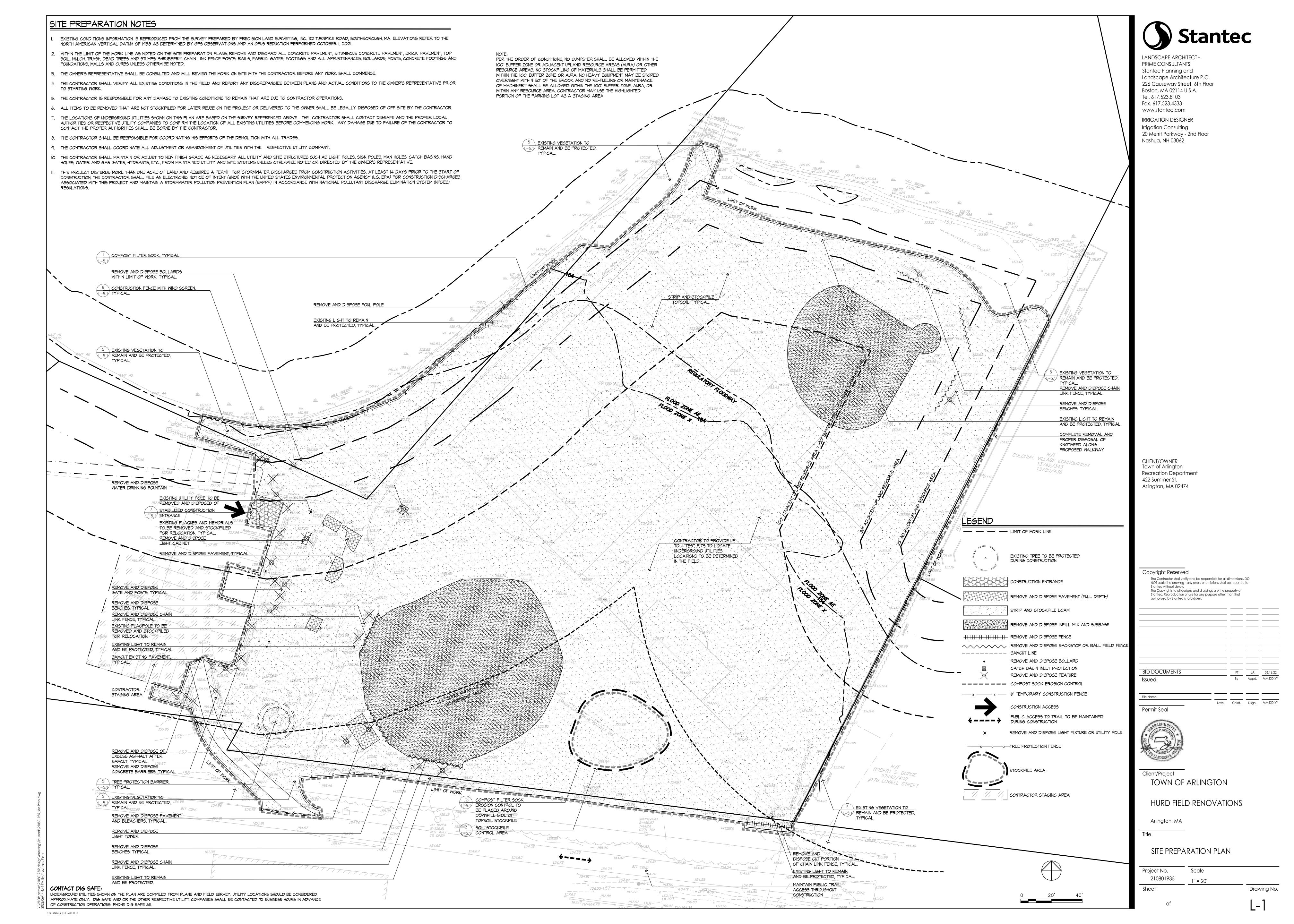


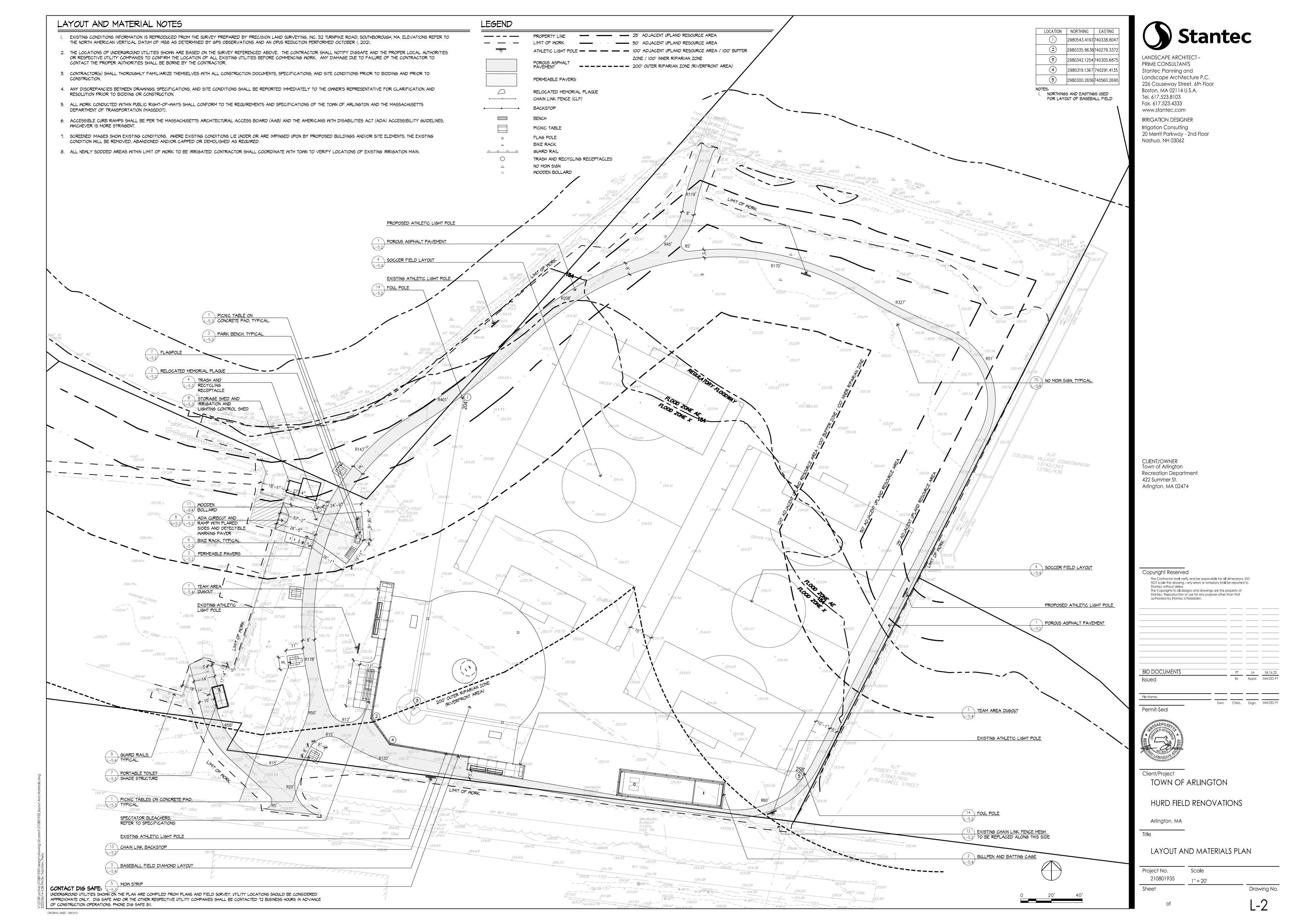
VICINITY MAP

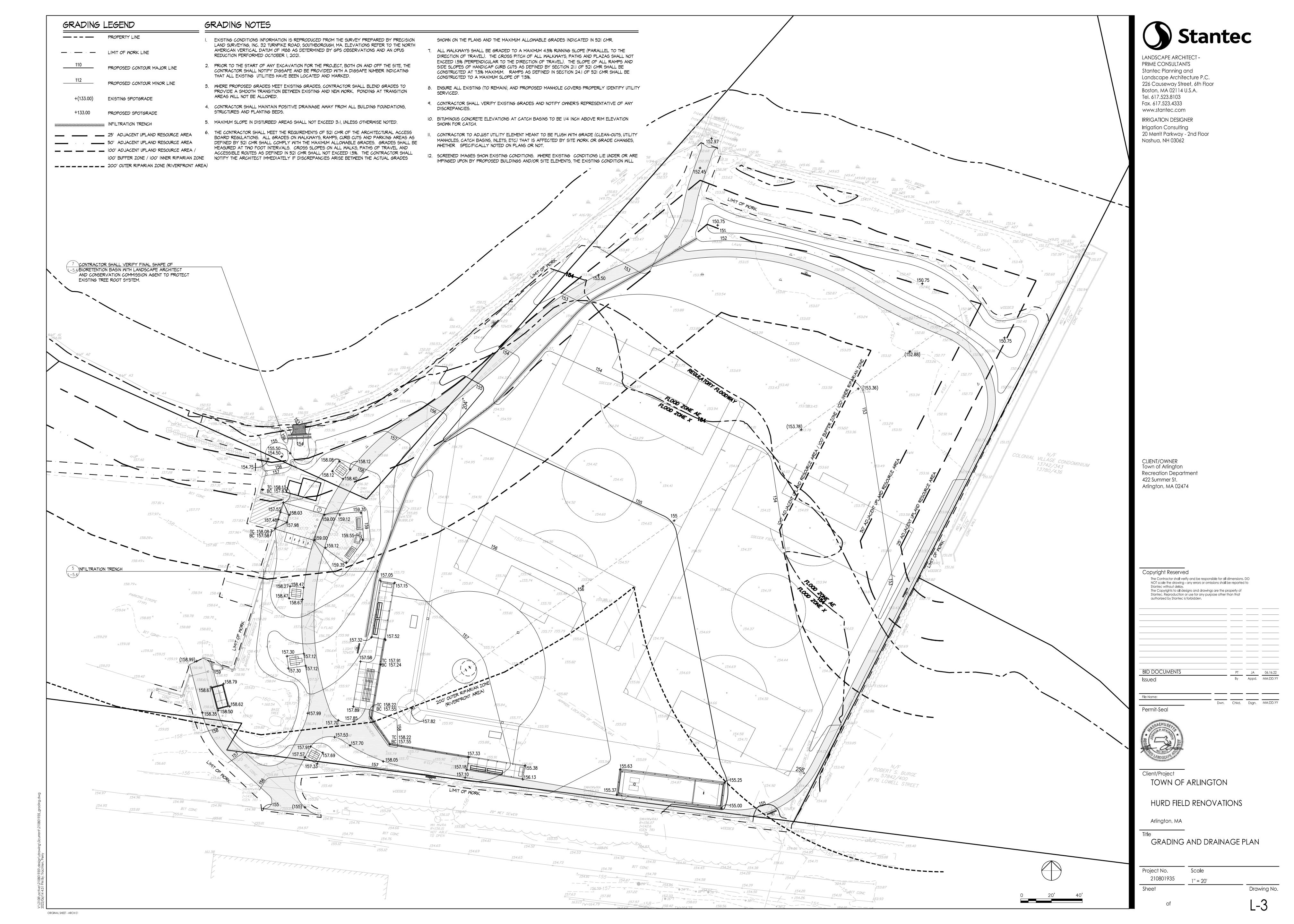
INDEX OF SHEETS

SHEET NO.	TITLE
	COVER SHEET
EX-1.0	EXISTING CONDITIONS PLAN
L-1	SITE PREPARATION PLAN
L-2	LAYOUT AND MATERIALS PLAN
L-3	GRADING AND DRAINAGE PLAN
L-4	PLANTING PLAN
L-5.1	EROSION AND SEDIMENTATION CONTROL / BMP DETAILS
L-5.2	DETAILS II
L-5.3	DETAILS III
L-5.4	DETAILS IV
L-5.5	DETAILS V
C-1	UTILITY PLAN
C-2	CIVIL DETAILS
I-1	IRRIGATION PLAN
I-2	IRRIGATION DETAILS
ES-1	ELECTRICAL PLAN
ES-2	ELECTRICAL DETAILS

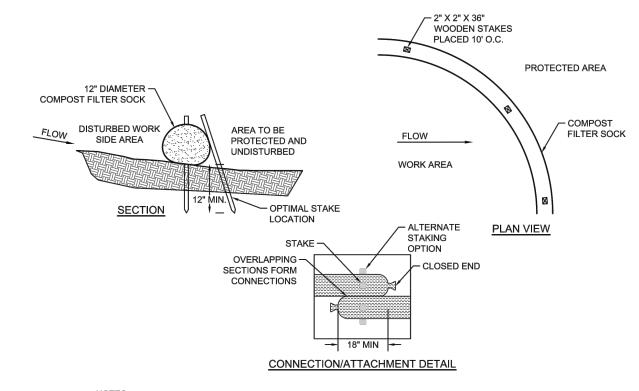












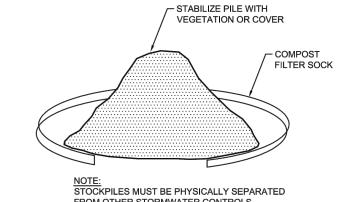
1. PREFABRICATED COMPOST SOCK SHALL BE FILTREXX SOXX OR APPROVED EQUAL.

2. MATERIAL FOR SOCKS SHALL CONSIST OF SANITIZED MATURE COMPOST, FREE OF VIABLE WEED SEEDS AND FOREIGN DEBRIS SUCH AS GLASS AND PLASTIC. COMPOST SHALL BE IN SHREDDED OR GRANULAR FORM AND FREE FROM HARD LUMPS. IN ADDITION, NO KILN-DRIED WOOD OR CONSTRUCTION DEBRIS SHALL BE ALLOWED. CONTRACTOR SHALL REFER TO MASSDOT SPECIFICATIONS M1.06.0 FOR MATERIAL SPECIFICATIONS.

3. SOCK SHALL CONSIST OF JUTE MESH OR OTHER APPROVED BIODEGRADABLE MATERIAL. PRACTICE: COMPOST FILTER SOCK. A COMPOST FILTER SOCK IS A TYPE OF CONTAINED COMPOST FILTER BERM CONSISTING OF A MESH TUBE FILLED WITH COMPOSTED MATERIAL THAT IS PLACED PERPENDICULAR TO SHEET-FLOW RUNOFF TO RETAIN SEDIMENT FROM DISTURBED AREAS. THE COMPOST FILTER SOCK ACTS AS A FILTER TO RETAIN SEDIMENT AND OTHER POLLUTANTS (E.G., SUSPENDED SOLIDS, NUTRIENTS) WHILE ALLOWING THE WATER TO FLOW THROUGH IT. COMPOST QUALITY MUST MEET AASHTO 2010 SPECIFICATIONS. INSTALLATION: ONCE THE FILTER SOCK IS FILLED AND PUT IN PLACE, IT SHOULD BE ANCHORED TO THE SLOPE BY STAKES THROUGH THE CENTER OF THE SOCK AT REGULAR INTERVALS; ALTERNATIVELY, STAKES CAN BE PLACED ON THE DOWNSTREAM SIDE OF THE SOCK. THE ENDS OF THE FILTER SOCK SHOULD BE DIRECTED UPSLOPE, TO PREVENT STORMWATER FROM RUNNING AROUND THE END OF THE TUBE. THERE SHOULD BE NO GAPS BETWEEN SEGMENTS AND THE SOCK ENDS MUST OVERLAP A MINIMUM OF 6 INCHES.

MAINTENANCE: SOCKS MUST BE INSPECTED FOR SEDIMENT ACCUMULATION. IF THERE IS EXCESSIVE PONDING BEHIND THE FILTER SOCK OR ACCUMULATED SEDIMENT REACHES THE TOP OF THE SOCK, AN ADDITIONAL SOCK SHOULD BE ADDED ON TOP OR IN FRONT OF THE EXISTING FILTER SOCK IN THESE AREAS. AN ADEQUATE RESERVE OF SOCKS MUST BE KEPT ON SITE AT ALL TIMES FOR EMERGENCY AND/OR ROUTINE REPLACEMENT. SOCKS SHALL BE REMOVED ONLY AFTER EXPOSED SOILS IN THE CONTRIBUTING DRAINAGE AREA ACHIEVE FINAL STABILIZATION. SEDIMENT ACCUMULATION MUST BE REMOVED ONCE IT HAS REACHED ½ OF THE EXPOSED HEIGHT OF THE SOCK.

COMPOST FILTER SOCK



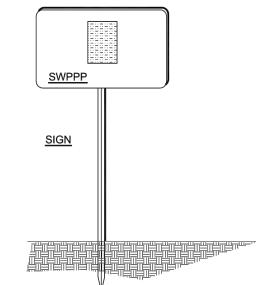
FROM OTHER STORMWATER CONTROLS. NOTE: STOCKPILES MUST BE PHYSICALLY SEPARATED FROM OTHER STORMWATER CONTROLS.

SOIL STOCKPILES: FOR ANY STOCKPILED OR LAND CLEARING DEBRIS COMPOSED, IN WHOLE OR IN PART, OF SEDIMENT OR SOIL, THE FOLLOWING MEASURES MUST BE FOLLOWED: • LOCATE THE PILES OUTSIDE OF ANY NATURAL BUFFERS ESTABLISHED UNDER PART 2.2.1 AND PHYSICALLY SEPARATED FROM OTHER STORMWATER CONTROLS IMPLEMENTED IN ACCORDANCE WITH PART 2.2; PROTECT FROM CONTACT WITH STORMWATER (INCLUDING RUN-ON) USING A TEMPORARY PERIMETER SEDIMENT BARRIER: PROVIDE COVER OR APPROPRIATE TEMPORARY STABILIZATION TO AVOID DIRECT CONTACT WITH PRECIPITATION OR TO MINIMIZE SEDIMENT DISCHARGE; DO NOT HOSE DOWN OR SWEEP SOIL OR SEDIMENT ACCUMULATED ON PAVEMENT OR OTHER IMPERVIOUS SURFACES INTO ANY STORMWATER CONVEYANCE (UNLESS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL),

STORM DRAIN INLET, OR SURFACE WATER; AND

SOIL STOCKPILE CONTROL

UNLESS INFEASIBLE, CONTAIN AND SECURELY PROTECT FROM WIND.

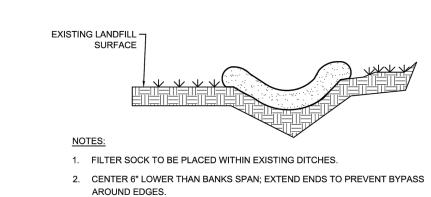


NOTES:

1. CONSTRUCTION SITE NOTICE SHALL BE

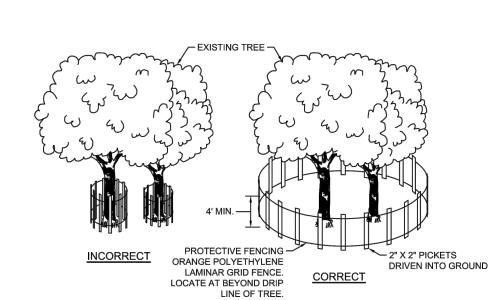
2. POSTING IS TO BE AT JOB SITE ENTRANCE WHERE IT WILL BE VISIBLE AND LEGIBLE FROM THE PUBLIC WAY.

3. POSTING IS REQUIRED FROM THE DAY CONSTRUCTION ACTIVITIES START UNTIL THE NOTICE OF TERMINATION (NOT) IS FILED.



JOB SITE PERMIT POSTING DETAIL

COMPOST FILTER SOCK FOR CHECK DAMS



1. TREE PROTECTION BARRIERS MUST BE PLACED AROUND TREES TO BE RETAINED WITHIN AN AREA WHERE LAND ALTERATION AND CONSTRUCTION ACTIVITIES WILL OCCUR. TREES TO REMAIN SHALL BE INDICATED ON THE PLANS.

2. TREE PROTECTION BARRIER MUST REMAIN IN PLACE UNTIL GRADING AND CONSTRUCTION ACTIVITY IS COMPLETE OR UNTIL COMMENCEMENT OF FINISH GRADING AND SODDING.

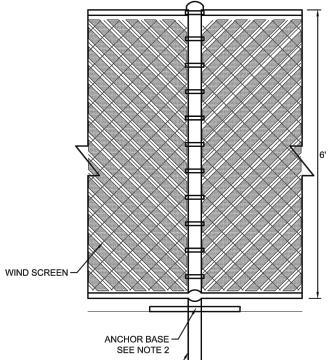
3. BARRIERS SHALL BE PLACED AROUND TREES AT THE DRIPLINE EXCEPT WHERE LAND ALTERATION OR CONSTRUCTION ACTIVITIES ARE APPROVED WITHIN THE DRIPLINE. 4. THE DRIPLINE OF A TREE IS THE IMAGINARY VERTICAL LINE THAT EXTENDS DOWNWARD

FROM THE OUTERMOST TIPS OF THE TREE'S BRANCHES TO THE GROUND. 5. AREAS SURROUNDED BY THE TREE PROTECTION BARRIERS SHALL BE PROTECTED FROM VEGETATION REMOVAL, PLACEMENT OF SOIL, DEBRIS, SOLVENTS, CONSTRUCTION

MATERIAL, MACHINERY OR OTHER EQUIPMENT OF ANY KIND. 6. ALL TREE ROOTS WITHIN AREA TO BE GRADED AND ORIGINATING FROM A PROTECTED

TREE SHALL BE SEVERED CLEANLY AT THE LIMITS OF THE PROTECTED AREA. 7. ALL TREE PRUNING AND TRIMMING ON ANY TREE TO BE RETAINED SHALL BE PERFORMED

BY AN ARBORIST CERTIFIED BY THE AMERICAN SOCIETY OF ARBORICULTURE (ASA). 8. 2'x2' TREE PROTECTION SIGNS SPACED A MINIMUM OF ONE SIGN EVERY 300' SHALL CONTAIN THE WORDING "TREE PROTECTION ZONE - KEEP OUT".



DRIVEN POST -

THE CONTRACTOR SHALL PROVIDE A 6' HIGH TEMPORARY CONSTRUCTION FENCE WITH DUST SCREEN THAT IS NON-TRANSPARENT AND TIGHTLY FASTENED TO THE FENCE. DUST SCREEN LOCATIONS SHALL BE COORDINATED WITH OWNER. 2. THE FENCE SHALL BE POST DRIVEN OR ANCHOR BASE

AND CAPABLE OF WITHSTANDING HIGH WINDS WITHOUT MOVEMENT. 3. THE CONTRACTOR SHALL BE RESPONSIBLE TO

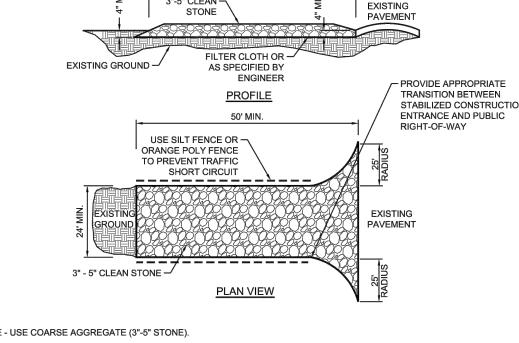
REPAIR TO EXISTING CONDITIONS RESULTING

PROPERTY DAMAGE FROM THE FENCE INSTALLATION.

PRACTICE: CONSTRUCTION FENCE WITH WINDSCREEN ATTACH WINDSCREEN SECURELY TO FENCE; REATTACH AS NECESSARY TO MAINTAIN FABRIC AGAINST FENCE; DO NO LEAVE GAPS IN SCREENING. REPLACE WINDSCREEN FABRIC IF IT APPEARS RIPPED OR TORN.

CONSTRUCTION FENCE WITH WIND SCREEN

NOT TO SCALE



NOTES:
1. STONE - USE COARSE AGGREGATE (3"-5" STONE).

2. LENGTH - AS EFFECTIVE, BUT NOT LESS THAN 50 FEET. 3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.

4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.

5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH, OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.

6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO ADJACENT PAVED ROAD SURFACES MUST BE REMOVED IMMEDIATELY.

PRACTICE: STABILIZED CONSTRUCTION EXIT POINTS. IN ORDER TO MINIMIZE TRACK OUT FROM VEHICLES, STABILIZED CONSTRUCTION EXIT(S) MUST BE INSTALLED AT THE LOCATIONS WHERE VEHICLES WILL EXIT THE SITE. THE CONTRACTOR MUST RESTRICT VEHICLE USE TO THE PROPOSED DESIGN EXIT LOCATIONS. ADDITIONAL CONTROLS TO REMOVE SEDIMENT FROM TIRES MAY BE REQUIRED IF TRACKING OCCURS; SUCH METHODS MAY INCLUDE WHEEL WASH STATIONS, RUMBLE STRIPS OR RUMBLE PLATES. NO VISIBLE SIGNS OF SOIL TRACKING FROM VEHICLES SHOULD BE PRESENT ON PUBLIC ROADWAYS EXITING THE SITE.

INSTALLATION. THE STABILIZED CONSTRUCTION EXIT(S) WILL CONSIST OF AN 8 INCH LAYER OF THREE TO FIVE INCH (3"-5") STONE, PLACED OVER A LAYER OF GEOTEXTILE FABRIC (IN ORDER TO PROVIDE SEPARATION FROM THE UNDERLYING SOIL AND PREVENT THE STONE FROM BEING GROUND DOWN INTO THE SOIL). THE STABILIZED CONSTRUCTION EXIT MUST BE WIDE ENOUGH TO COVER THE ENTIRE WIDTH OF THE EXIT AND IT SHOULD BE FLARED WHERE IT MEETS THE ROADWAY TO ACCOMMODATE LONGER CONSTRUCTION VEHICLES. THE STABILIZED CONSTRUCTION EXIT MUST BE LONG ENOUGH TO ALLOW MUD AND SEDIMENT TO BECOME DISLODGED FROM VEHICLE TIRES, AND/OR A MINIMUM OF FIFTY FEET (50') IN LENGTH. MAINTENANCE. DURING THE COURSE OF CONSTRUCTION THE STABILIZED CONSTRUCTION EXIT WILL BECOME FILLED WITH ACCUMULATED

ACCUMULATED SEDIMENT, REPLACING THE STONE OR BACK-BLADING THE STONE TO REFRESH IT. IF TRACKING OF SEDIMENT OCCURS, THE CONTRACTOR MUST REMOVE DEPOSITED SEDIMENT BY COMPLYING WITH THE FOLLOWING REQUIREMENTS: WHERE TRACK-OUT OF SEDIMENT OCCURS FROM THE SITE ONTO OFF-SITE STREETS, SIDEWALKS, AND OTHER PAVED AREAS, DEPOSITS MUST BE SWEPT, SHOVELED, OR VACUUMED TO REMOVE TRACK-OUT MATERIAL OR OTHER SEDIMENT DEPOSITS BY THE END OF THE SAME WORK DAY IN WHICH THE TRACK OUT IS DISCOVERED.

 HOSING OR SWEEPING TRACKED-OUT SEDIMENT INTO ANY STORMWATER CONVEYANCE, (UNLESS IT IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL), STORM DRAIN INLET, OR SURFACE WATER IS PROHIBITED.

EDIMENT AND/OR THE STONE WILL BECOME COMPACTED. THE CONTRACTOR MUST REPAIR THE EXIT AS NECESSARY BY REMOVING

STABILIZED CONSTRUCTION ENTRANCE

CLIENT/OWNER Town of Arlington Recreation Department 422 Summer St. Arlington, MA 02474

LANDSCAPE ARCHITECT -PRIME CONSULTANTS

Landscape Architecture P.C. 226 Causeway Street, 6th Floor

Stantec Planning and

Boston, MA 02114 U.S.A.

Tel. 617.523.8103

Fax. 617.523.4333

www.stantec.com

IRRIGATION DESIGNER

20 Merrit Parkway - 2nd Floor

Irrigation Consulting

Nashua, NH 03062

_	
	Copyright Reserved
	The Contractor shall verify and be responsible for all dimensions. NOT scale the drawing - any errors or omissions shall be reported Stanted without delay.
	The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

ID DOCUMENTS			
ID DOCUMENTS	PT	JA	06.16.22
sued	Ву	Appd.	MM.DD.YY

Permit-Seal



Client/Project TOWN OF ARLINGTON

HURD FIELD RENOVATIONS

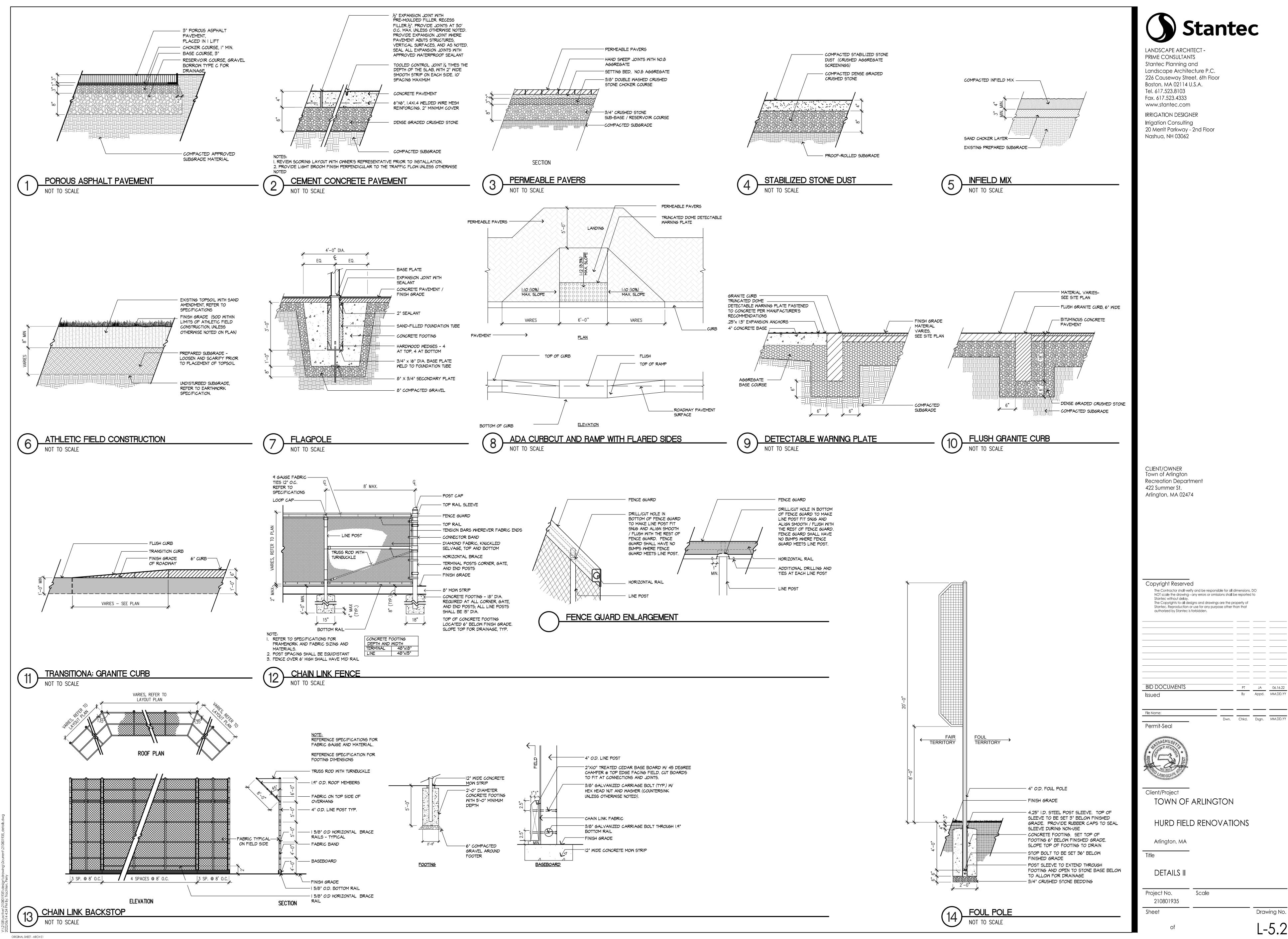
Arlington, MA

EROSION AND SEDIMENTATION CONTROL / BMP DETAILS I

Project No. Scale Drawing No.

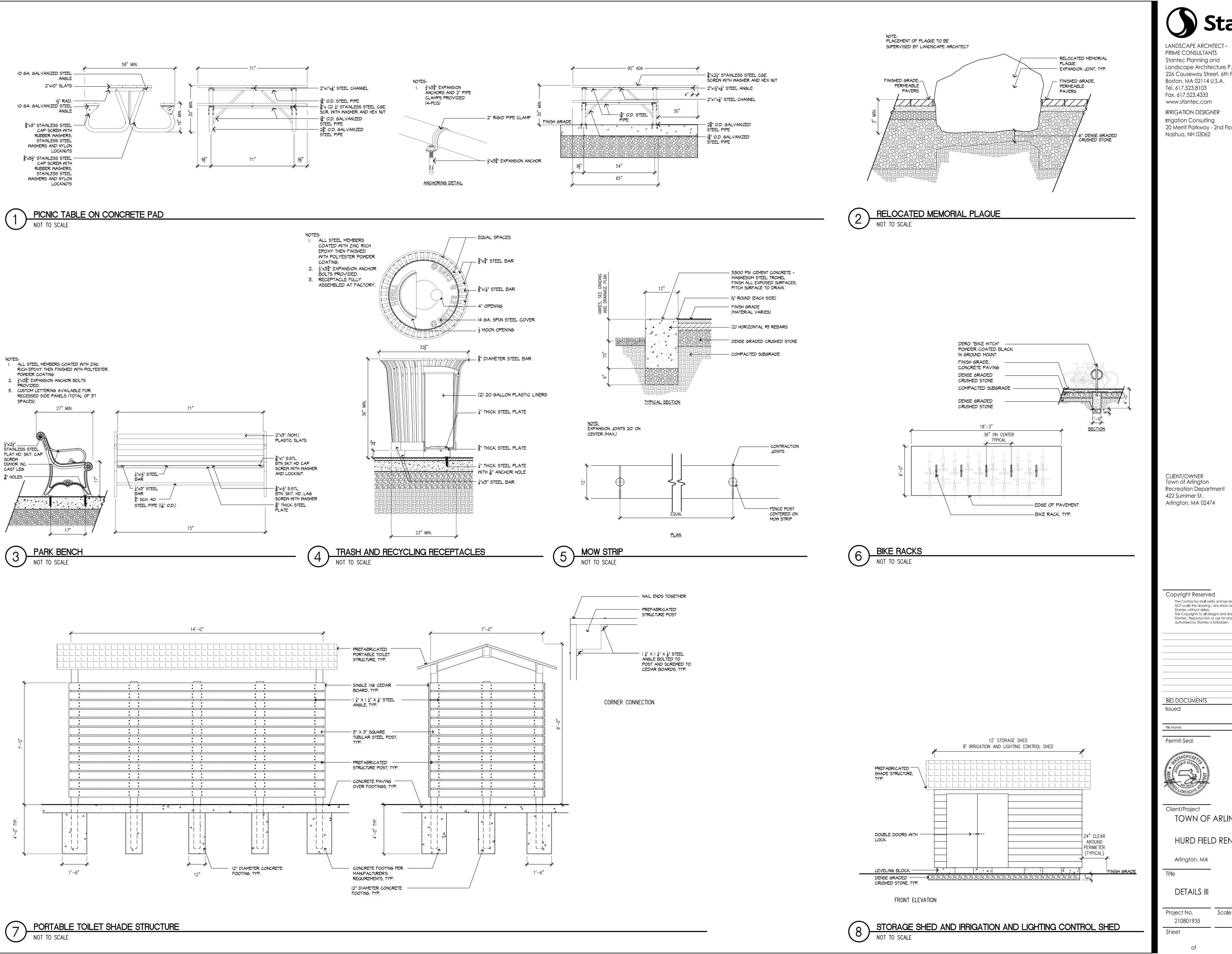
ORIGINAL SHEET - ARCH E1

L-5.1



By Appd. MM.DD.YY

L-5.2



LANDSCAPE ARCHITECT -PRIME CONSULTANTS Stantec Planning and Landscape Architecture P.C. 226 Causeway Street, 6th Floor Boston, MA 02114 U.S.A. Tel. 617.523.8103 Fax. 617.523.4333 www.stantec.com

IRRIGATION DESIGNER Irrigation Consulting 20 Merrit Parkway - 2nd Floor Nashua, NH 03062

CLIENT/OWNER Town of Arlington Recreation Department 422 Summer St. Arlington, MA 02474

Copyright Reserved The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that

BID DOCUMENTS

By Appd. MM.DD.YY

Dwn. Chkd. Dsgn. MM.DD.YY

Drawing No.

L-5.3

Permit-Seal





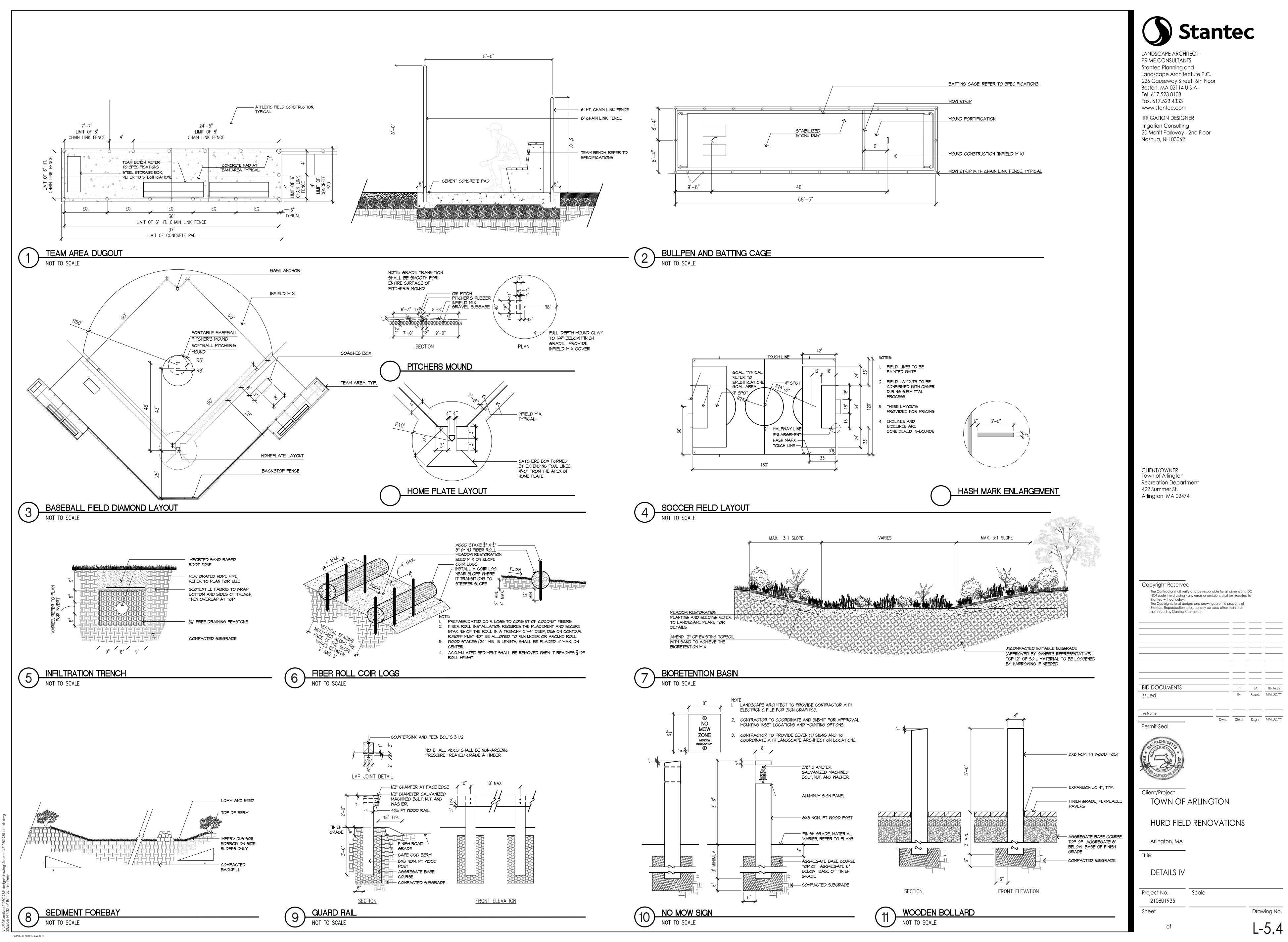
Client/Project TOWN OF ARLINGTON

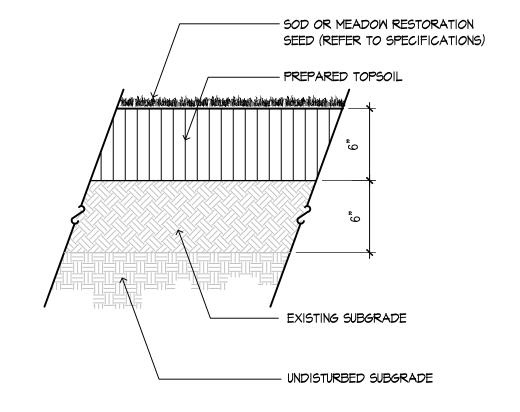
HURD FIELD RENOVATIONS

Arlington, MA

DETAILS III

Project No. Scale 210801935





SODDED LAWN AND MEADOW RESTORATION SEED MIX

NOT TO SCALE

REFER TO PLAN FOR /--- 3" MULCH COVER SPACING REQUIREMENTS ---PLANTING SOIL MIX: 6" MIN. TOPSOIL WITH SOIL EXISTING SUBGRADE = AMENDMENTS AND EXISTING SOIL, PREPARED TO HOMOGENOUS MIXTURE -RIPPED OR SCARIFIED SUBGRADE, SLOPE WITH FINISHED GRADE

PERENNIAL PLANTING

— 3" BARK MULCH IN SAUCER, NOT TO BE PILED AGAINST ROOT FLARE OR TRUNK - PLANT SAUCER, 4" CONTINUOUS, NO SAUCER WHERE SHRUBS OCCUR IN BEDS - FINISH GRADE CUT AND REMOVE ALL BURLAP FROM ROOT BALL - PLANTING SOIL MIX: BACKFILL IN LOOSE LIFTS OF 6"-8" DEPTH. SETTLE WITH THOROUGH WATERING - PLACE ROOT BALL ON UNDISTURBED SOIL. IF SOIL HAS BEEN DISTURBED, COMPACT TO MINIMIZE SETTLING.

I. SHRUB SHALL BEAR SAME RELATIONSHIP TO FINISHED GRADE AS IT BORE TO NURSERY OR FIELD GRADE 2. WHERE SHRUBS OCCUR IN GROUPINGS IN PLANT BEDS, PROVIDE 2 - FOOT DEEP CONTINUOUS LOAM BED.

 TREE SHALL BEAR SAME RELATIONSHIP
 TO FINISHED GRADE AS IT BORE TO
 NURSERY OR FIELD GRADE, TRUNK FLARE SHALL BE VISIBLE ABOVE SOIL 2. CONTRACTOR MAY USE PLASTIC TREE GUYING CHAIN IF APPROVED BY LANDSCAPE ARCHITECT MOOD STAKE (SEE BELOW) ---NYLON TREE SLING -DOUBLE STRAND 12 GA. -WIRE TWISTED TREE PIT (3 X ROOT BALL DIAMETER) ROOTBALL ----PROVIDE 2"x3" UNTREATED PINE STAKES 3 PER TREE. DRILL TO ACCEPT GUY WIRE. PRIME AND PAINT BLACK. — 3" BARK MULCH IN SAUCER KEEP 2" CLEAR OF TRUNK, EXTENT OF TREE PIT / SEED OR SOD AS NOTED ON PLANS / FINISH GRADE CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOTBALL CUT AND REMOVE WIRE BASKETS ENTIRELY PLANTING SOIL MIX: BACKFILL IN LOOSE LIFTS OF 6"-8"
 DEPTH. SETTLE WITH THOROUGH WATERING — PLACE BALL ON SUBGRADE HOLE TO BE 3 TIMES AS WIDE AS THE ROOTBALL DIAMETER

DECIDUOUS TREE PLANTING



LANDSCAPE ARCHITECT -PRIME CONSULTANTS Stantec Planning and Landscape Architecture P.C. 226 Causeway Street, 6th Floor Boston, MA 02114 U.S.A. Tel. 617.523.8103 Fax. 617.523.4333 www.stantec.com IRRIGATION DESIGNER Irrigation Consulting 20 Merrit Parkway - 2nd Floor Nashua, NH 03062

CLIENT/OWNER Town of Arlington Recreation Department 422 Summer St. Arlington, MA 02474

Copyright Reserved The Contractor shall verify and be responsible for all a NOT scale the drawing - any errors or omissions shall b Stantec without delay. The Copyrights to all designs and drawings are the prestanted. Reproduction or use for any purpose other the authorized by Stantec is forbidden.	e reported operty of		
BID DOCUMENTS			06.1
Issued	Ву	Appd.	MM.D
File Name:	_		
Dwn.	Chkd.	Dsan.	MM.D



Client/Project TOWN OF ARLINGTON

HURD FIELD RENOVATIONS

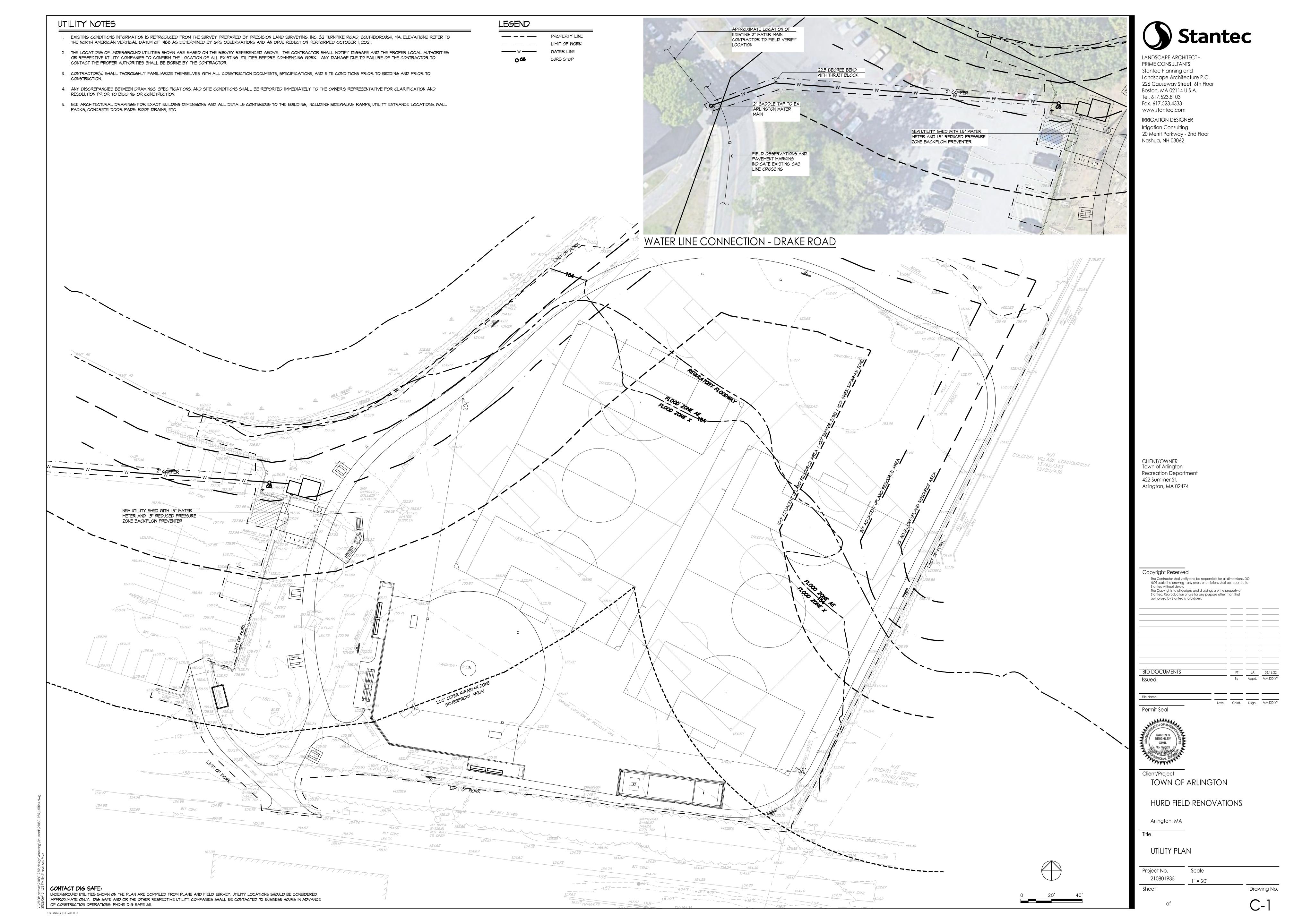
Arlington, MA

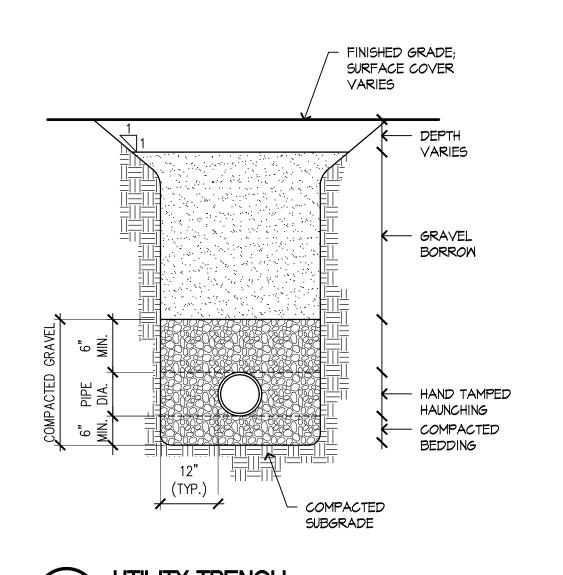
DETAILS V

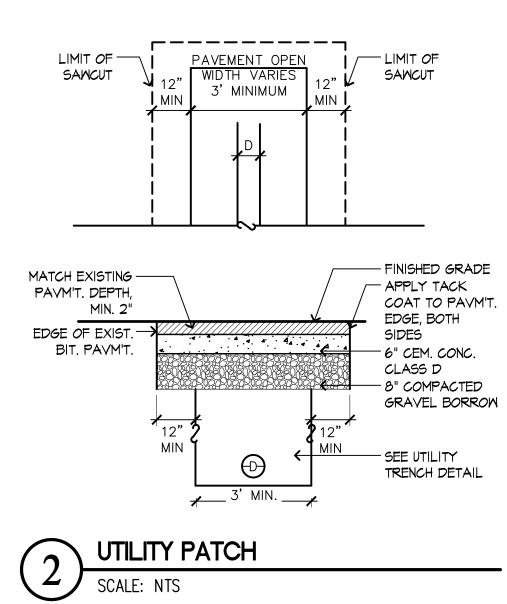
Project No. Scale Drawing No.

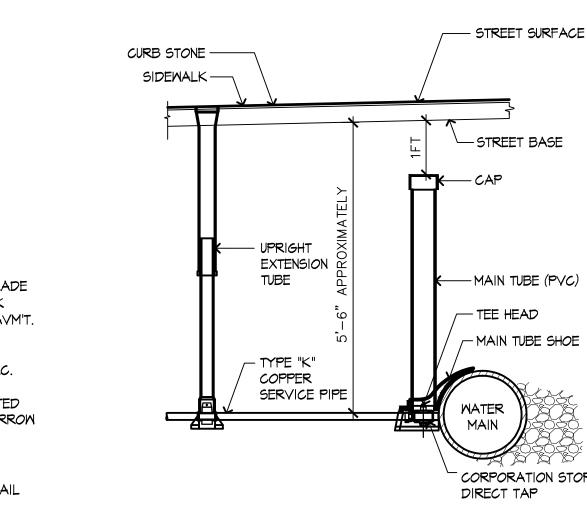
ORIGINAL SHEET - ARCH E1

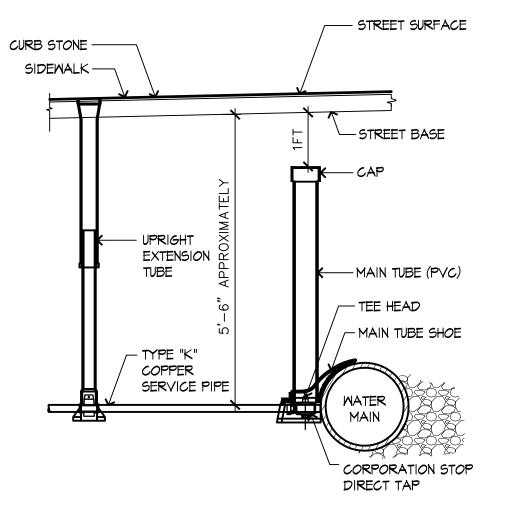
L-5.5

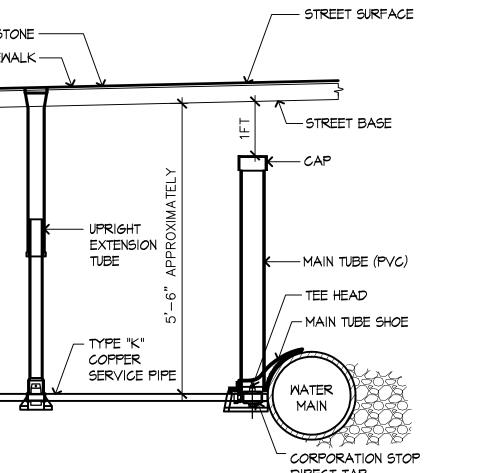




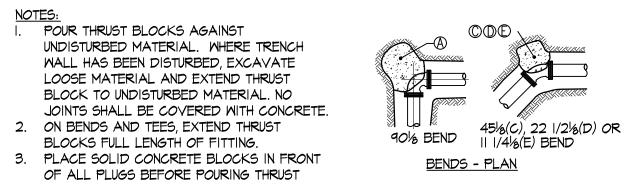








		DIRECT IN
\bigcirc	CORPORATION STOP W/	CURB STOP
(3)	SCALE: NTS	REV



NOTES:

I. POUR THRUST BLOCKS AGAINST

MATERIAL. WHERF

UNDISTURBED MATERIAL. WHERE TRENCH

WALL HAS BEEN DISTURBED, EXCAVATE

LOOSE MATERIAL AND EXTEND THRUST

BLOCK TO UNDISTURBED MATERIAL. NO

OF ALL PLUGS BEFORE POURING THRUST

PRESUME MINIMUM SOIL BEARING OF I TON PER SQUARE FOOT, AND MAY BE VARIED

REQUIRED FOR ALL MECHANICAL JOINTS.

POLYETHYLENE OR BUILDING PAPER PRIOR

TO INSTALLATION OF CONCRETE RESTRAINT.

PIPE RESTRAINT NUTS TO MATCH AWWA CIII.

THREADED RODS AND NUTS TO BE FIELD

TEES, BENDS, REDUCERS, CAPS, PLUGS, OR

7. THREADED ROD SHALL BE ANSI A242 FY50

THESE GLANDS DO NOT REDUCE THE

6. ALL FITTINGS SHALL BE WRAPPED IN

COATED WITH BITUMINOUS PAINT.

THRUST BLOCK

AT END CAPS AND PLUGS.

CROSSES.

SCALE: NTS

8. THRUST RESTRAINT IS REQUIRED FOR ALL

9. INSTALL LIFT HOOKS INTO THRUST BLOCKS

REQUIREMENTS FOR THRUST RESTRAINT.

2. ON BENDS AND TEES, EXTEND THRUST

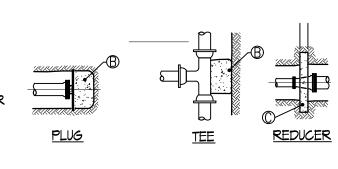
4. REQUIREMENTS OF THE ABOVE TABLE

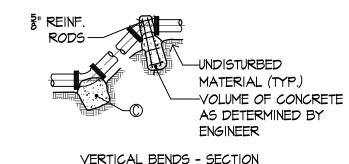
BY THE ENGINEER TO MEET OTHER

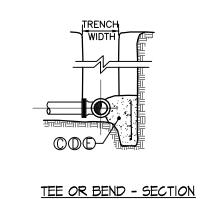
CONDITIONS ENCOUNTERED.

5. MEGA-LUG RETAINER GLANDS ARE

BLOCKS FULL LENGTH OF FITTING.







VERTICAL BENDS - SECTION

THRUST BLOCK SCHEDULE SQUARE FEET OF CONCRETE THRUST BLOCKING BEARING ON UNDISTURBED MATERIAL												
TYPE	PIPE SIZE											
REACTION	≤4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"	36"
\triangle	1.78	4.38	7.84	11.14	16.52	21.82	30.82	36.04	48.12	69.28	107.66	154.78
$^{\otimes}$	1.30	3.10	5.52	8.38	12.18	16.74	21.78	27.74	34.02	48.98	76.12	109.44
©	0.96	2.38	4.24	6.02	9.32	11.82	16.68	19.42	26.04	37.50	58.26	83.76
(0.50	1.2	2.16	3.08	4.74	6.02	8.50	9.94	13.28	19.12	29.70	42.70
E	0.26	0.60	1.08	1.54	2.38	3.04	4.24	5.02	6.66	9.58	14.90	21.42
OTHER TEST	ABOVE DIMENSIONS ARE MINIMUM THRUST BLOCK SIZES. THEY HAVE BEEN CALCULATED USING A PRESSURE OF 200 PSI.										0 PSI.	
PRESSURES FOR THE	TEST PRE	TEST PRESSURE TO BE 150 PSI MIN, OR AS REQUIRED BY THE LOCAL MUNICIPALITY.										
ABOVE REACTIONS		EET OF CO OR INSTANC										



PRIME CONSULTANTS Stantec Planning and Landscape Architecture P.C. 226 Causeway Street, 6th Floor Boston, MA 02114 U.S.A. Tel. 617.523.8103 Fax. 617.523.4333 www.stantec.com IRRIGATION DESIGNER Irrigation Consulting 20 Merrit Parkway - 2nd Floor Nashua, NH 03062

CLIENT/OWNER Town of Arlington Recreation Department 422 Summer St. Arlington, MA 02474

Copyright Reserved			D.O.	
The Contractor shall verify and be re NOT scale the drawing - any errors of Stantec without delay.				
The Copyrights to all designs and druggers and druggers and constant and stantagers and the Copyright				
·				
				-
BID DOCUMENTS		——— РТ		06.16.
Issued		Ву	Appd.	MM.DD
File Name:				
Dornait Coal	Dwn.	Chkd.	Dsgn.	MM.DD
Permit-Seal				



Client/Project TOWN OF ARLINGTON

HURD FIELD RENOVATIONS

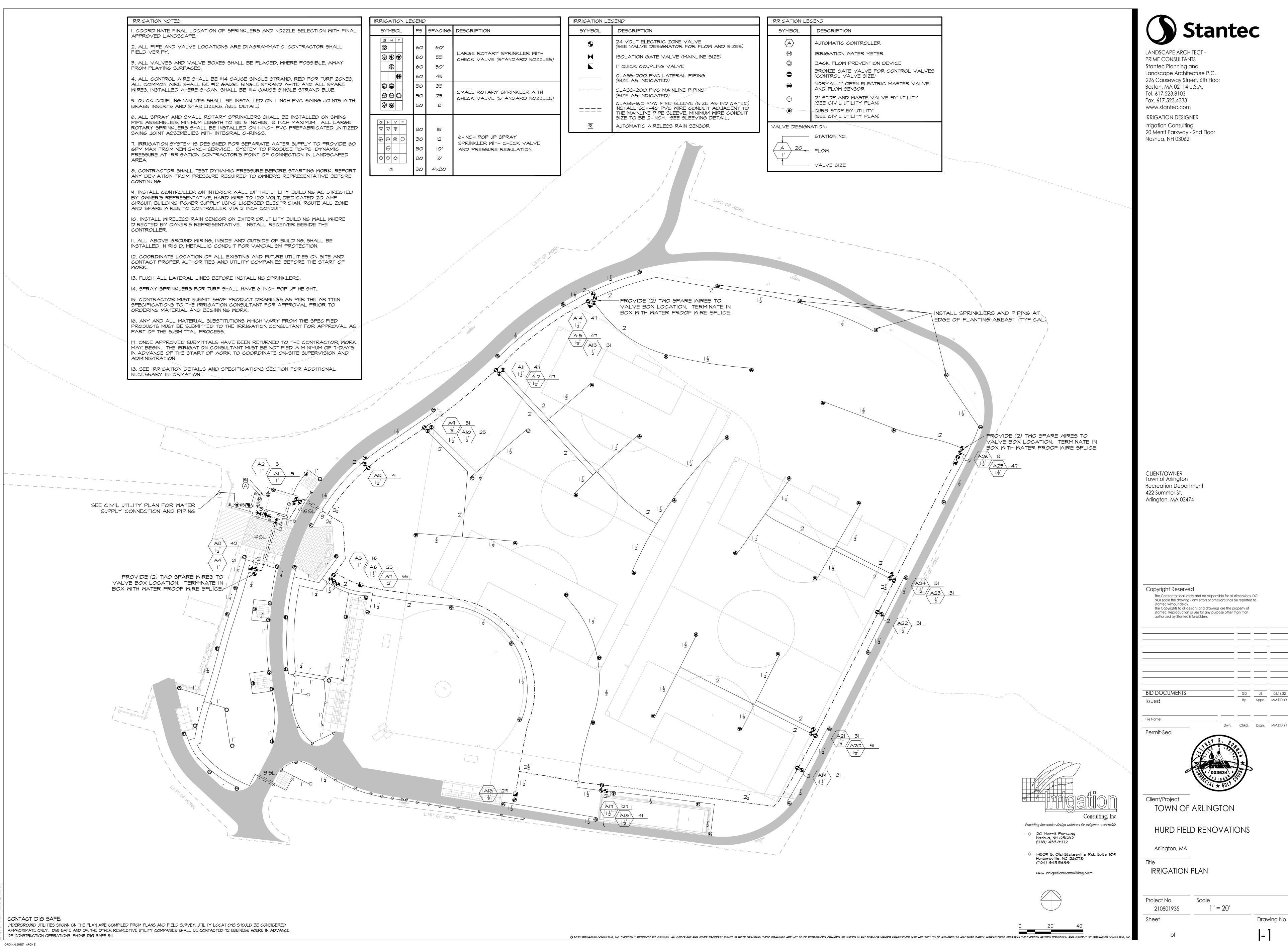
Arlington, MA

CIVIL DETAILS

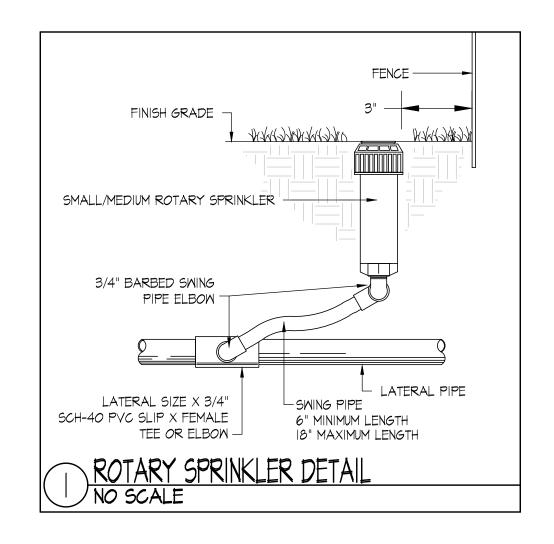
Project No. Scale Drawing No.

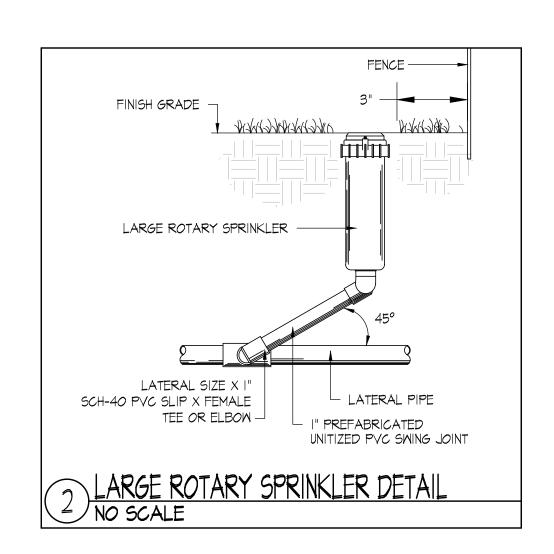
ORIGINAL SHEET - ARCH E1

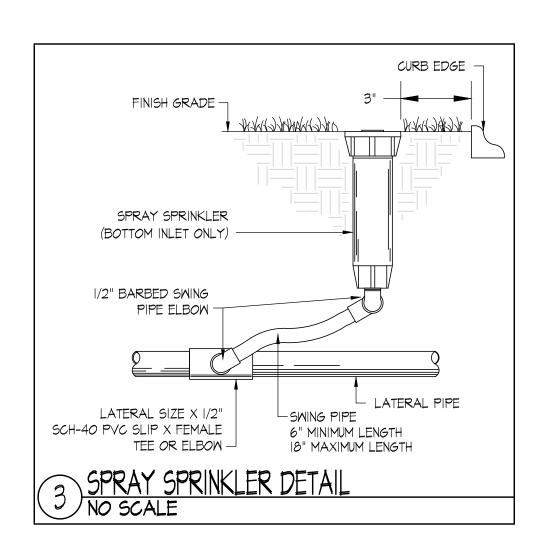
C-2

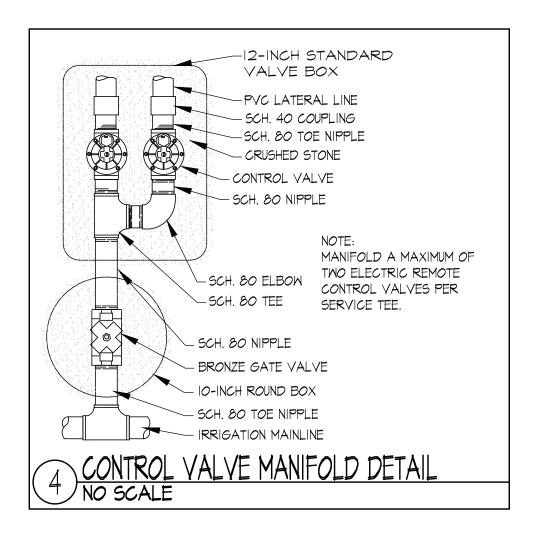


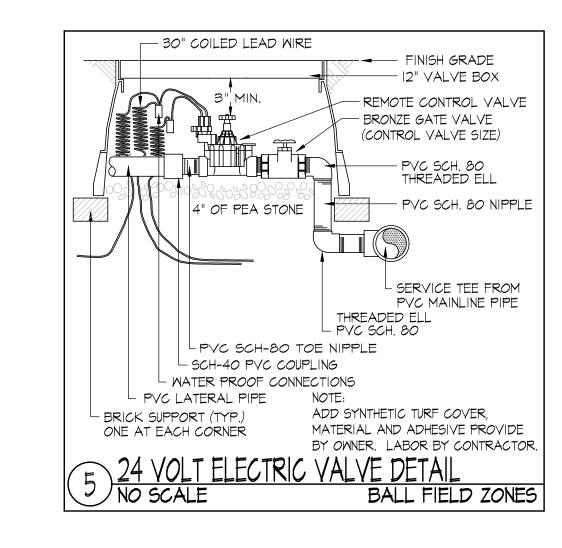
By Appd. MM.DD.YY

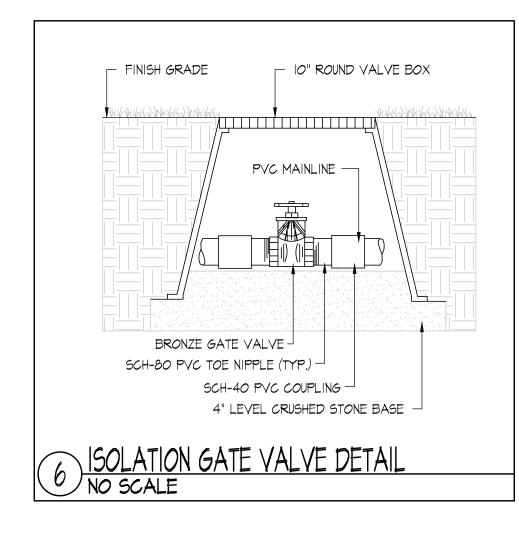


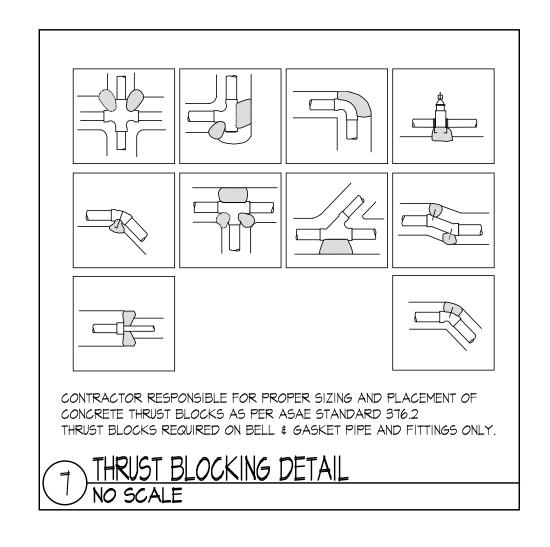


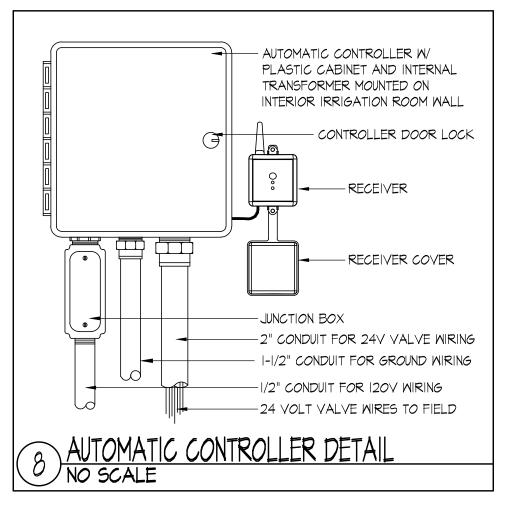


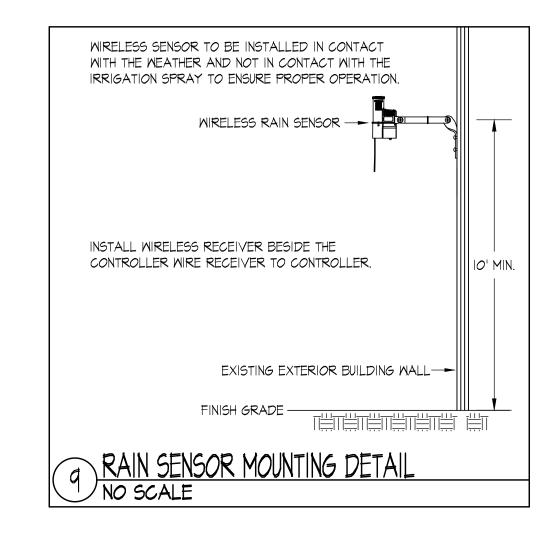


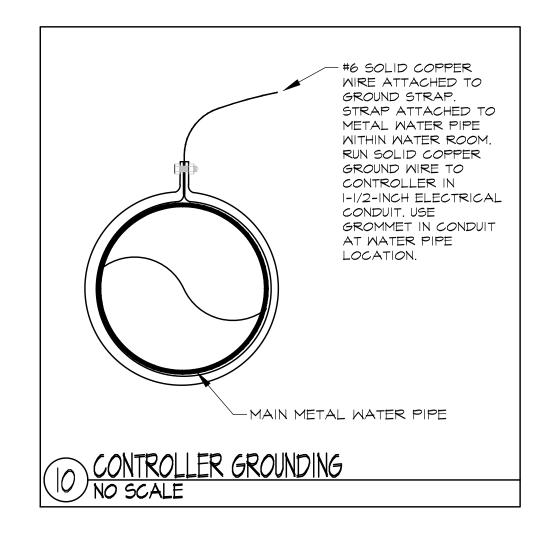


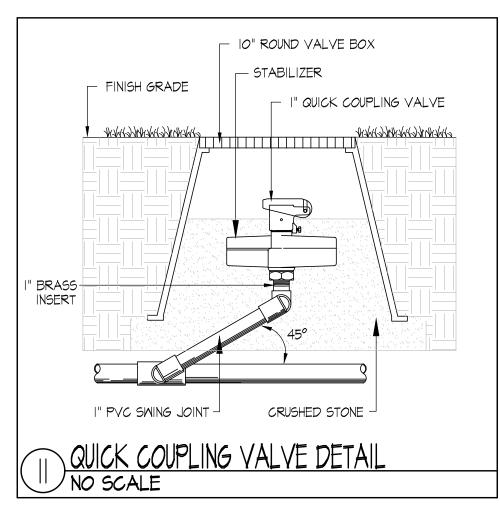


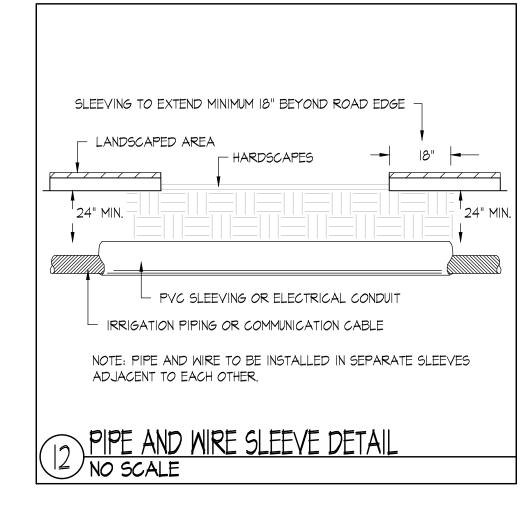


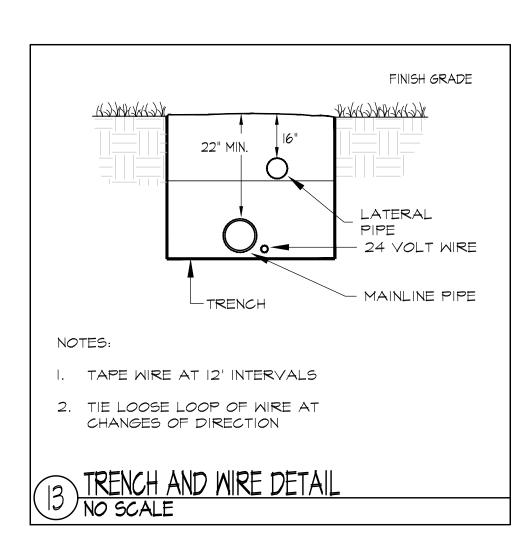


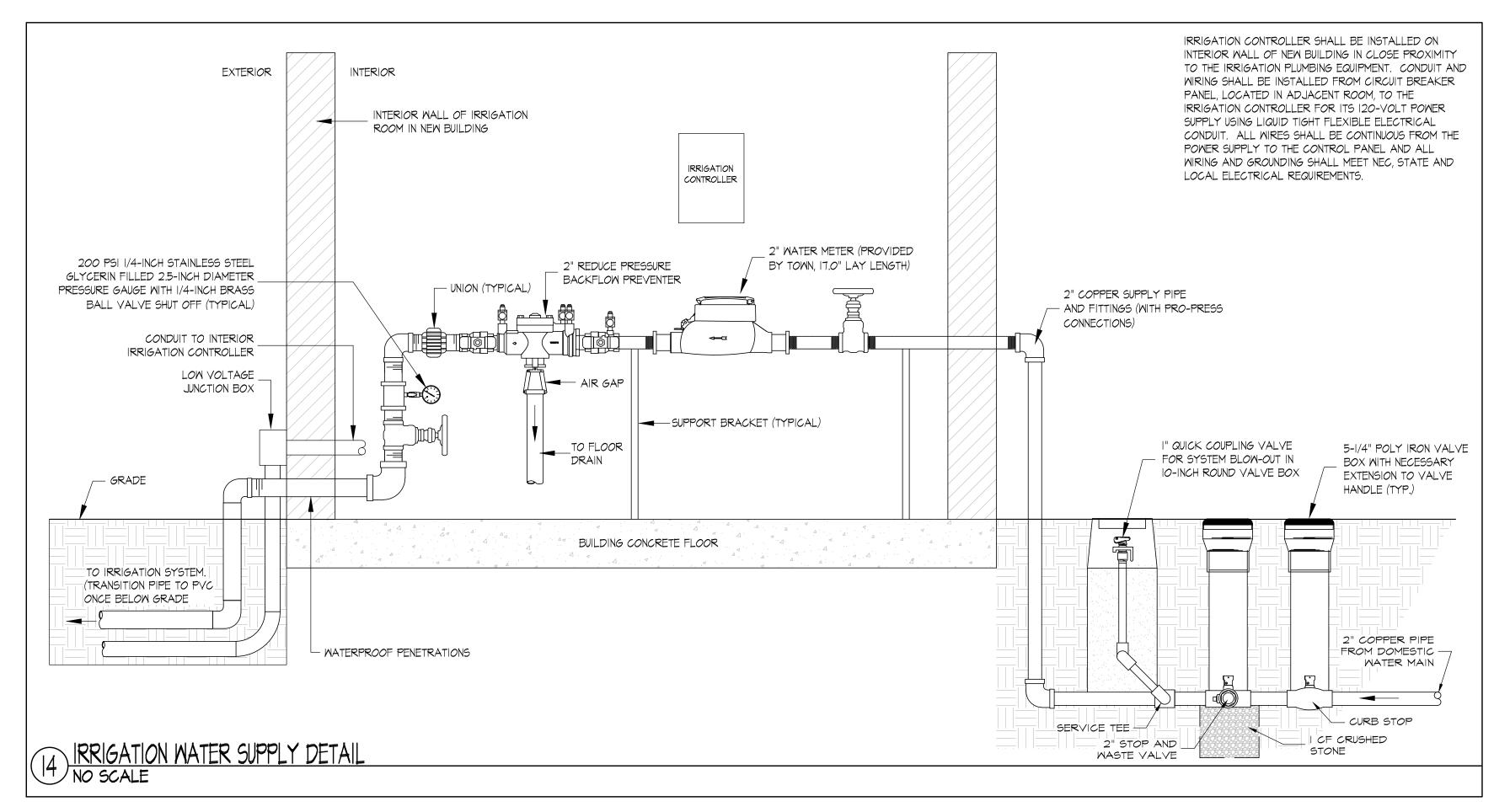




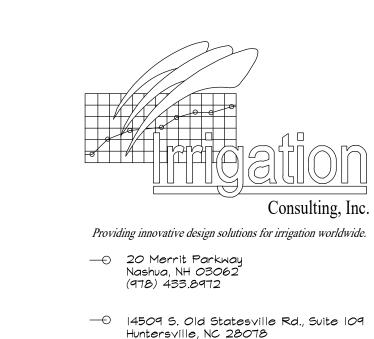








Q 2022 IRRIGATION CONSULTING, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE DRAWINGS. THESE DRAWINGS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR MAINTEN WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY, WITHOUT FIRST OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY FORM OR WAS ARRESTED TO ANY THE EXPRESS WRITTEN PERMISSION AND CONSULT IN ANY THE EXPRESS WRITTEN PERMISSI



(704) 843.3688

www.irrigationconsulting.com

Arlington, MA Project No.

Client/Project

Scale Drawing No.

CONTACT DIG SAFE: UNDERGROUND UTILITIES SHOWN ON THE PLAN ARE COMPILED FROM PLANS AND FIELD SURVEY. UTILITY LOCATIONS SHOULD BE CONSIDERED APPROXIMATE ONLY. DIG SAFE AND OR THE OTHER RESPECTIVE UTILITY COMPANIES SHALL BE CONTACTED 72 BUSINESS HOURS IN ADVANCE

OF CONSTRUCTION OPERATIONS. PHONE DIG SAFE 811. ORIGINAL SHEET - ARCH E1

LANDSCAPE ARCHITECT -PRIME CONSULTANTS Stantec Planning and

Boston, MA 02114 U.S.A. Tel. 617.523.8103 Fax. 617.523.4333 www.stantec.com IRRIGATION DESIGNER Irrigation Consulting 20 Merrit Parkway - 2nd Floor Nashua, NH 03062

Landscape Architecture P.C. 226 Causeway Street, 6th Floor

CLIENT/OWNER Town of Arlington Recreation Department 422 Summer St. Arlington, MA 02474

Copyright Reserved The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

BID DOCUMENTS By Appd. MM.DD.YY Issued

___ ___ ____ Dwn. Chkd. Dsgn. MM.DD.YY

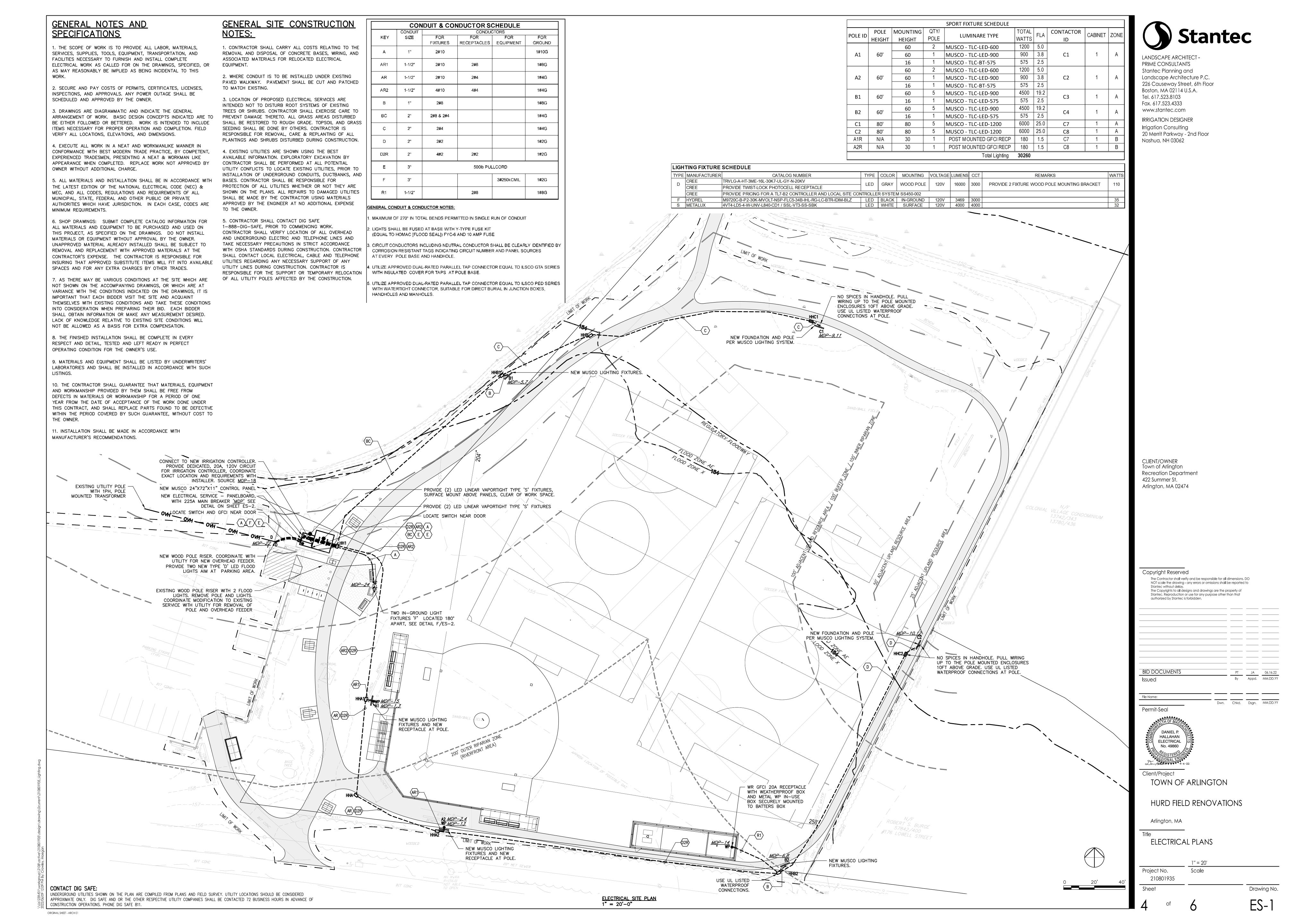
Permit-Seal

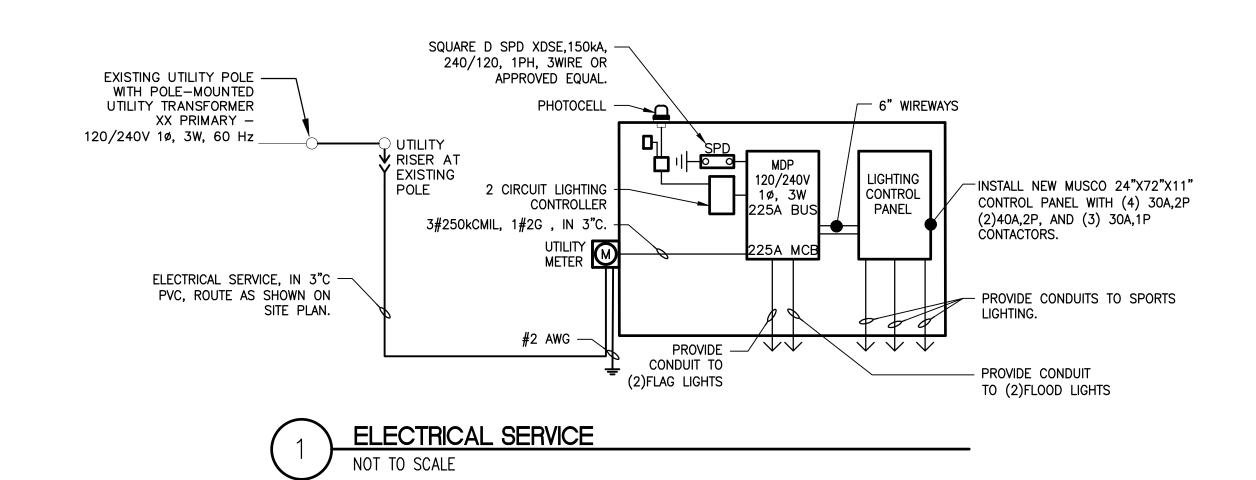
TOWN OF ARLINGTON

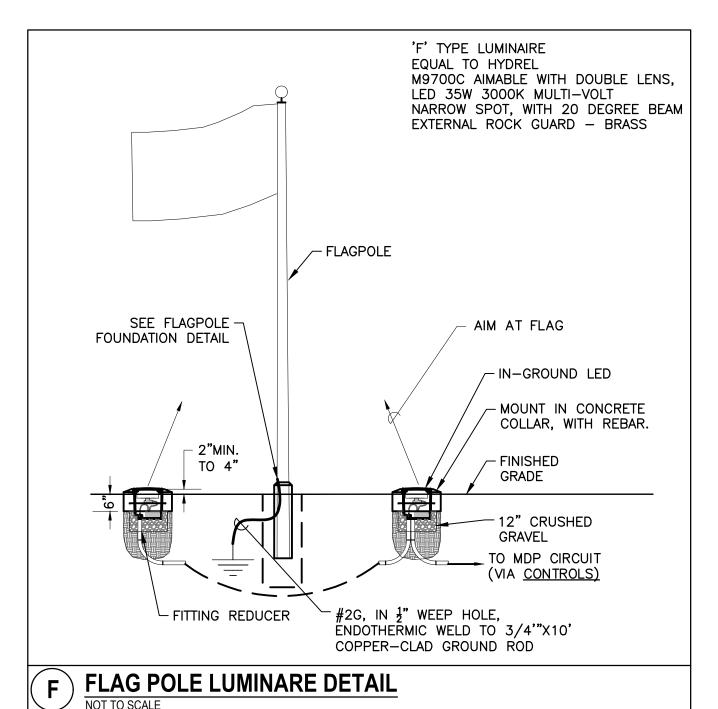
HURD FIELD RENOVATIONS

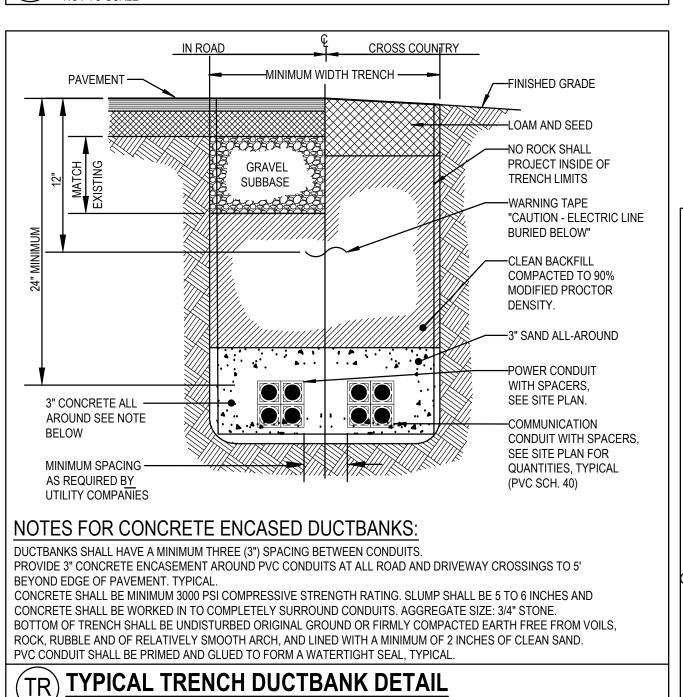
IRRIGATION DETAILS

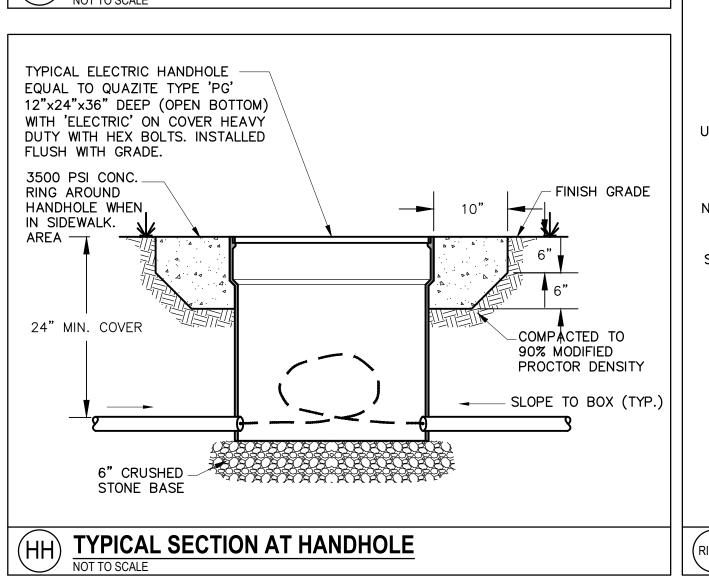
Sheet

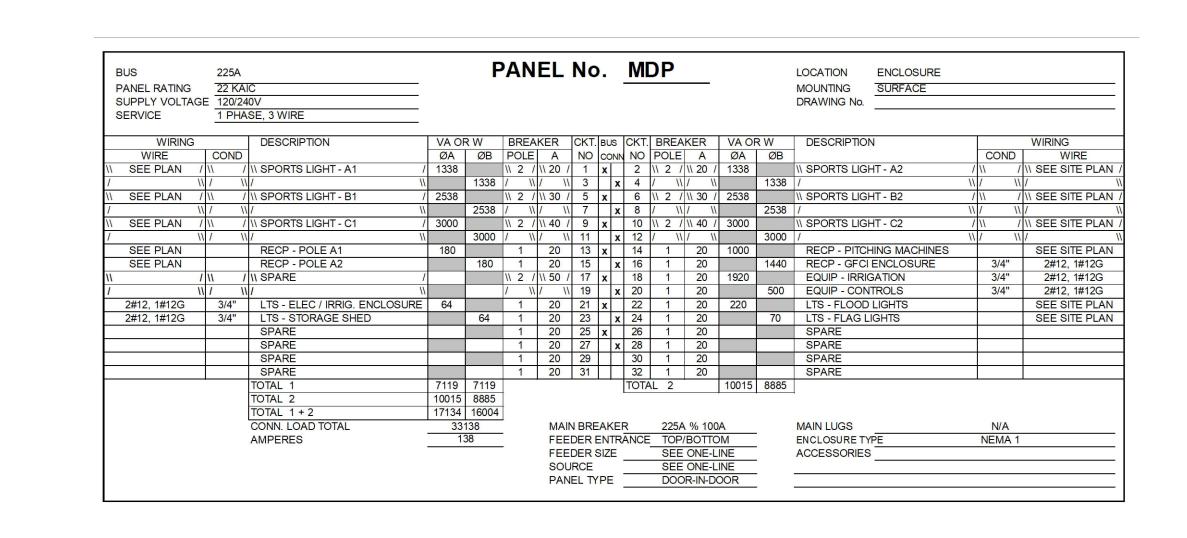


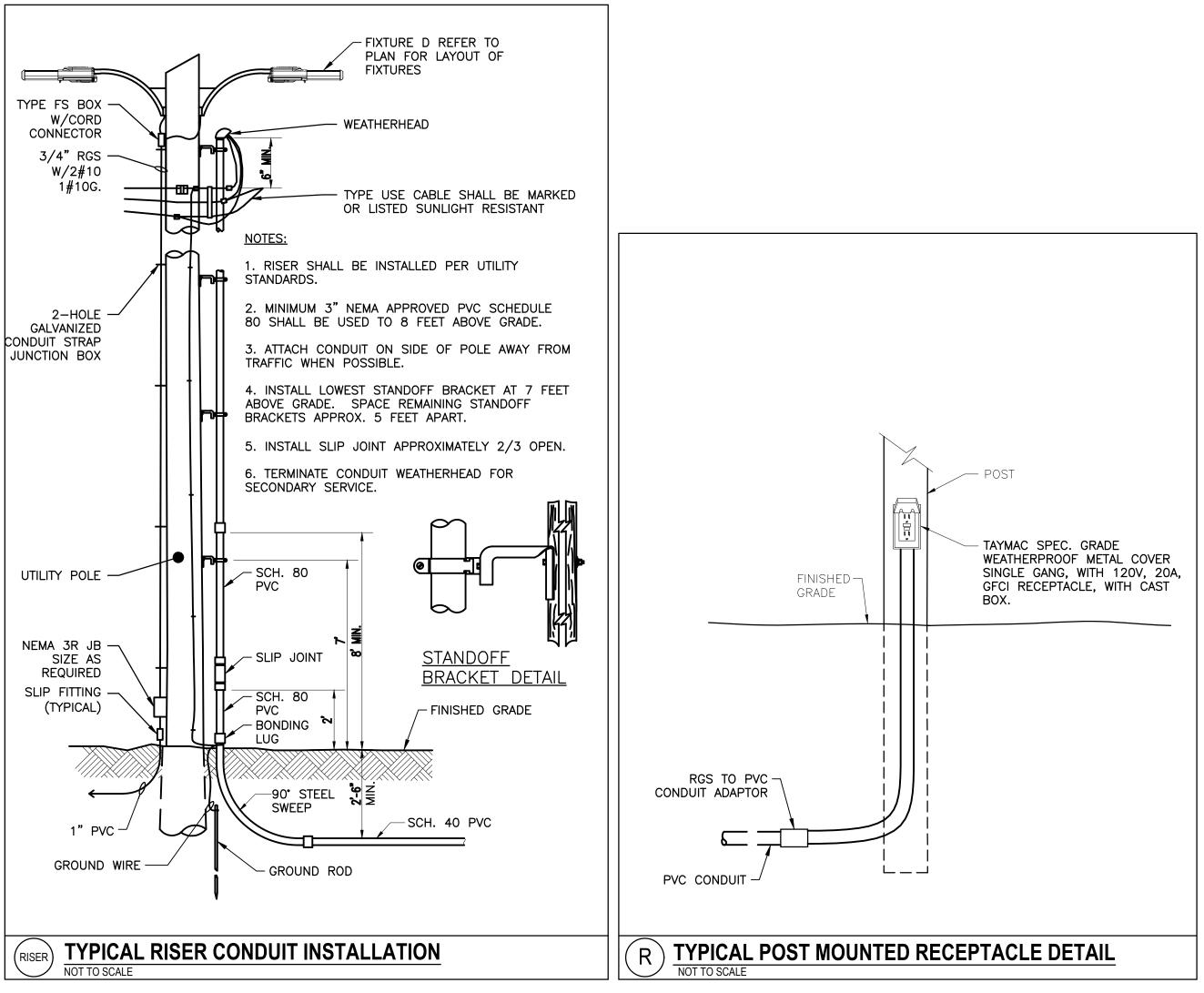














LANDSCAPE ARCHITECT -PRIME CONSULTANTS Stantec Planning and Landscape Architecture P.C. 226 Causeway Street, 6th Floor Boston, MA 02114 U.S.A. Tel. 617.523.8103 Fax. 617.523.4333 www.stantec.com IRRIGATION DESIGNER Irrigation Consulting 20 Merrit Parkway - 2nd Floor Nashua, NH 03062

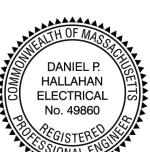
CLIENT/OWNER Town of Arlington Recreation Department 422 Summer St. Arlington, MA 02474

Copyright Reserved The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.

BID DOCUMENTS By Appd. MM.DD.YY

Dwn. Chkd. Dsgn. MM.DD.YY

Permit-Seal



Client/Project TOWN OF ARLINGTON

HURD FIELD RENOVATIONS

Arlington, MA

ELECTRICAL DETAILS

Project No. Scale 210801935 Drawing No. Sheet ES-2

ORIGINAL SHEET - ARCH E1